

# APPROVAL OF PRODUCT CERTIFICATE (PRODUKTSERTIFISERINGSBEVIS)

Certificate No:  
**121.01**  
Revision No:  
**4**

## That the construction parts for mooring

With type designation(s)

**G-4863 - Green Pin® Mooring Bow Shackle NS9415 BN**  
**G-4163BG - Green Pin® Bow Shackle NS9415 BN**  
**G-4139 - Green Pin® Dee Shackle NS9415 FP**

Issued to

**Royal Van Beest Group B.V.**  
**Industrieweg 6, 3361 HJ Sliedrecht**

Is found to comply with

**NYTEK23 regulation**  
**NS 9415:2021**

Product(s)

**G-4863 - Green Pin® Mooring Bow Shackle NS9415 BN**  
**G-4163BG - Green Pin® Bow Shackle NS9415 BN**  
**G-4139 - Green Pin® Dee Shackle NS9415 FP**

Dimensions  
MBL

See page 2  
See page 2

Manufacturer(s) / Supplier(s) approved by this certificate is/are accepted to deliver in accordance with NYTEK23 and NS 9415:2021. It is the supplier's responsibility to comply with requirements of relevant product standard for the component.

Product certification scheme: **Type 5**

Reliability class: **2**

Issued at **Bergen** on **2023-03-20**

This Certificate is valid until **2029-03-31**

Performed by:



**Pål Alexander Fossan**  
Project Manager Aquaculture



Controlled by:



**Olve Vangdal**  
Project Manager

DNV - Business Assurance is accredited by Norwegian Accreditation as certification body PROD 013 for products regarding the NS 9415:2021, the NYTEK23 regulation and guidelines for product certification according to requirements in NS-EN ISO/IEC 17065.

## Particulars of the approval

### Scope of certification for construction parts to mooring lines: Shackle

Product name	Product code	Material	Dim. [mm]	MBL [t]	Approval date
Green Pin® Dee Shackle NS9415 FP	G-4139	GPGDVV13DS	13.5	14	2023-03-20
		GPGDVV16DS	16	22.75	
		GPGDVV19DS	19	33.25	
		GPGDVV22DS	22	45.5	
		GPGDVV25DS	25	59.5	
Green Pin® Bow Shackle NS9415 BN	G-4163BG	GPGHMBHDG13	13.5	12	2023-03-20
		GPGHMBHDG16	16	19.5	
		GPGHMBHDG19	19	28.5	
		GPGHMBHDG22	22	39	
		GPGHMBHDG25	25	51	
		GPGHMBHDG28	28	57	
		GPGHMBHDG32	32	72	
		GPGHMBHDG35	35	81	
		GPGHMBHDG38	38	102	
GPGHMBHDG45	45	150			
Green Pin Mooring Bow Shackle NS9415 BN	G-4863	AMGHMB19	19	30	2023-03-20
		AMGHMB22	22	40	
		AMGHMB28	28	60	
		AMGHMB32	32	90	
		AMGHMB42	42	110	
		AMGHMB45	45	150	

### Application / Limitation

- A Product Certificate and User Manual shall be issued to the customer together with the construction part.
- All construction parts and all documentation shall be traceable.

### Periodical assessment

The scope of the Periodical Assessment is to verify that the conditions stipulated for this Approval of Product Certificate is complied with and that no alterations are made to the product design or choice of materials.

Periodical assessments shall be performed at least every 2 years according to NYTEK23.

### END OF CERTIFICATE